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(54) Title: LOW MOLECULAR WEIGHT COPOLYMER OF ETHYLENE AND VINYL AROMATIC MONOMER AND USES THEREOF

(57) Abstract: An article of manufacture comprises a copolymer of ethylene and vinyl aromatic monomer having a molecular weight of less than 15,000. Preferably, the copolymer is characterized by a backbone having a first and second terminal end group, the first terminal end group is a methyl group, the second terminal end group is a vinyl group, wherein the ratio of the terminal methyl group to the terminal vinyl group is 0.8:1 to 1:0.8. The article of manufacture includes, but is not limited to, waxes, lubricants, additives, etc. The waxes may be used to formulate paints and coatings, printing inks, carbon paper, photo toners, building and construction materials, mold release agents, hot melt adhesives, candles. The waxes may also be used in wood processing, metal working, powder metallurgy and sintering, wax modeling, sizing, crop protection, and so on.